

Construction Planning and Management MCQ Question Answer

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Question: 1. For the execution of a project, a contractor is

- Option A. A person
- Option B. A firm
- Option C. An agency
- Option D. All the above

Question: 2. The first stage of a construction, is

- Option A. Preparation of estimate
- Option B. Survey of the site
- Option C. Initiation of proposal
- Option D. Preparation of tender

Question: 3. Whenever an activity has zero total float, then

- Option A. Free float of the activity must be zero but independent float need not be zero
- Option B. Independent float must be zero but free float need not be zero
- Option C. Free float and independent float both must be zero
- Option D. Free float and independent float both need not be zero

Question: 4. Pre-tender stage requires

- Option A. Acquisition of land
- Option B. Selection of site
- Option C. Finalisation of alignment of work
- Option D. All the above

Question: 5. Bar charts are suitable for

- Option A. Minor works
- Option B. Major works
- Option C. Large projects
- Option D. All the Above

Question: 6. Railway projects are treated as

- Option A. Light construction
- Option B. Heavy construction
- Option C. Industrial construction
- Option D. None of these

Question: 7. The time which results in the least, possible construction cost of an activity, is known as

- Option A. Normal time
- Option B. Slow time
- Option C. Crash time
- Option D. Standard time

Question: 8. For the supply of materials for concrete, form work reinforcing and placing of concrete, removal of form work and curing of concrete, number of bar(s) required on bar chart, is

- Option A. 1
- Option B. 2
- Option C. 3
- Option D. 4

Question: 9. The basic action involved in sheep foot rolling is

- Option A. Kneading
- Option B. Pressing
- Option C. Tamping
- Option D. Vibration

Question: 10. An earth moving equipment costs Rs. 5,00,000 and has an estimated life of 10 years and a salvage value of Rs. 50,000. What uniform annual amount must be set aside at the end of each of the 10 years for replacement if the interest rate is 8% per annum and if the sinking fund factor at 8% per annum interest rate for 10 years is 0.069?

- Option A. Rs. 31050
- Option B. Rs. 34500
- Option C. Rs. 37950
- Option D. Rs. 50000

Question: 11. Select the incorrect statement.

- Option A. A critical path always begins at the very first event.
- Option B. A critical path always terminates at the last event.
- Option C. Critical activities control the project duration.
- Option D. Critical activity is the one for which free float is zero.

Question: 12. Free float for any activity is defined as the difference between

- Option A. Its earliest finish time and earliest start time for its successor activity
- Option B. Its latest start time and earliest start time
- Option C. Its latest finish time and earliest start time for its successor activity
- Option D. Its earliest finish time and latest start time for its successor activity

Question: 13. The constraints in case of resource smoothening operation would be

- Option A. Resources
- Option B. Project duration time
- Option C. Both resources and project duration time

Option D. None of the above

Question: 14. The process of incorporating changes and rescheduling or replanning is called

- Option A. Resource levelling
- Option B. Resource smoothening
- Option C. Updating
- Option D. Critical path scheduling

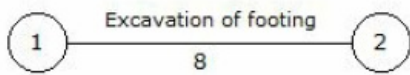
Question: 15. The technique for establishing and maintaining priorities among the various jobs of a project, is known

- Option A. Event flow scheduling technique
- Option B. Critical ratio scheduling
- Option C. Slotting technique for scheduling
- Option D. Short interval scheduling

Question: 16. Pick up the incorrect statement from the following:

- Option A. The activity is the time consuming part of a project
- Option B. The beginning and end of a job, are called events
- Option C. The activity which consumes maximum time, is called a node
- Option D. Logically and sequentially connected activities and events form a network

Question: 17. In the given figure, the network of a project represents



- Option A. Activity of an excavation of a footing
- Option B. Activity of an excavation which starts at event No. 1 and ends at even No. 2
- Option C. Activity of excavation which takes 8 units of time
- Option D. None of these

Question: 18. Critical path lies along the activities having total float

- Option A. Positive
- Option B. Negative
- Option C. Zero
- Option D. Same

Question: 19. Which of the following is a weakness of bar chart?

- Option A. Interdependencies of activities
- Option B. Project progress
- Option C. Uncertainties
- Option D. All of the above

Question: 20. Henry Gantt developed Bar charts for planning and scheduling of projects in

- Option A. 1880
- Option B. 1900
- Option C. 1920
- Option D. 1940

Question: 21. The object of technical planning, is

- Option A. Preparation of specifications
- Option B. Preparation of estimates
- Option C. Initiating the procurement action of resources
- Option D. All the above

Question: 22. Critical Path Net Work helps an engineer

- Option A. To concentrate his attention on critical activities
- Option B. To divert the resources from non-critical advanced activities to critical activities
- Option C. To be cautious for avoiding any delay in the critical activities to avoid delay of the whole project
- Option D. All the above

Question: 23. Select the incorrect statement.

- Option A. Start float and finish float are always equal.
- Option B. Total float can be either start float or finish float.
- Option C. Start float and finish float need not be equal.
- Option D. Start float and finish float are the differences between activity times and not event times.

Question: 24. Pick up the incorrect statement from the following:

- Option A. The various functions under each activity, are shown by one bar on Bar Charts
- Option B. Bar chart establishes the interdependency of one event on another
- Option C. Only approximate percentage of the completed work is reported
- Option D. None of these

Question: 25. Pick up the correct statement from the following:

- Option A. CPM analysis is activity oriented
- Option B. PERT analysis is event oriented
- Option C. In CPM, the time is related to cost
- Option D. All the above

Question: 26. A construction schedule is prepared after collecting

- Option A. Number of operations
- Option B. Output of labour
- Option C. Output of machinery
- Option D. All the above

Question: 27. Consider the following statements: In the bar chart planning

1. Interdependence of the operations cannot be portrayed.
2. Progress of work can be measured.
3. Spare time of the activities can be determined.
4. Schedule cannot be updated. Of these statements

Option A. 1, 2 and 3 are correct

Option B. 1 and 4 are correct

Option C. 2, 3 and 4 are correct

Option D. 1, 2 and 4 are correct

Question: 28. Pick up the correct statement from the following:

Option A. The difference of latest occurrence time and earliest expected time, is called slack

Option B. The activities connecting the events having zero slack, lie on the critical path

Option C. The critical path consumes the maximum time

Option D. All the above

Question: 29. The final selection of a construction site, is done by

Option A. Departmental representative or user

Option B. Local civil authority representative

Option C. Representative of engineer authority

Option D. All the above

Question: 30. A critical ratio scheduling

Option A. Determines the status of each activity

Option B. Adjusts automatically changes in activity progress

Option C. Is a dynamic system

Option D. None of these

Answer Sheet

1	D	
2	C	
3	C	
4	D	
5	A	
6	B	
7	B	
8	A	
9	A	
10	A	
11	D	
12	A	
13	B	
14	C	
15	B	
16	C	
17	C	
18	C	
19	D	
20	B	
21	D	
22	D	
23	C	
24	B	
25	D	
26	D	
27	B	
28	D	
29	D	
30	D	